## SEQUENCE LISTING

```
<110> The Curators of the University of Missouri
      Zaghouani, Habib
      Gregg, Randall
<120> Sustained treatment of type-1 diabetes after expression of
      predisposition markers
<130> 07316.0002.CPUS01
<140> 10/681,788
<141> 2003-10-08
<150> 60/371,663
<151> 2002-04-09
<150> PCT/US03/10700
<151> 2003-04-08
<160> 12
<170> PatentIn version 3.4
<210> 1
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> Amino acid residues 9-23 of insulin beta chain
<400> 1
Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly
               5
                                   10
                                                       15
<210> 2
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> Amino acid residues 11-25 of Hen Egg Lysosyme
<400> 2
Ala Met Lys Arg His Gly Leu Asp Asn Tyr Arg Gly Tyr Ser Leu
                                   10
<210> 3
<211> 20
<212> PRT
<213> Artificial Sequence
```

```
<223> Amino acid residues 524-543 of GAD 65
<400> 3
Ser Arg Leu Ser Lys Val Ala Pro Val Ile Lys Ala Arg Met Met Glu
        5
                                  10
Tyr Gly Thr Thr
<210> 4
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> Amino acid residues 206-220 of GAD 65
<400> 4
Thr Tyr Glu Ile Ala Pro Val Phe Val Leu Leu Glu Tyr Val Thr
               5
                                   10
<210> 5
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> Flanking region within heavy chain CDR3 of 91A3 Ig
<400> 5
Tyr Phe Cys Ala Arg Ser Tyr Tyr Ser Gly Asp Met Tyr Cys
<210> 6
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Flanking region within heavy chain CDR3 of 91A3 Ig
<400> 6
Phe Asp Tyr Trp
<210> 7
<211> 42
```

<220>

```
<212> DNA
<213> Artificial Sequence
<220>
<223> Flanking region within heavy chain CDR3 of 91A3 Ig
<400> 7
tatttctgtg caagatcgta ttactctggt gatatgtact gc
                                                                     42
<210> 8
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Flanking region within heavy chain CDR3 of 91A3 Ig
<400> 8
tttgactact gg
                                                                     12
<210> 9
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> 91A3H-Insulin beta insert
<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa can be any naturally occurring amino acid
<400> 9
His Leu Val Glu Ala Leu Xaa Leu Val Cys Gly Glu Arg Gly
               5
<210> 10
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> Insulin beta insert sequence
<220>
<221> misc feature
<222> (5)..(5)
<223> n is a, c, g, or t
<220>
```

```
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222> (20)..(20)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222> (22)..(24)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t
<400> 10
agccncctag tgnagncgcn tnnnctngtt tgcggtgaaa gaggt
                                                                     45
<210> 11
<211> 15
<212> PRT
<213> Artificial Sequence
<220>
<223> 91A3H-HEL insert
<400> 11
Ala Met Lys Arg His Gly Leu Asp Asn Tyr Arg Gly Tyr Ser Leu
               5
                                   10
                                                       15
<210> 12
<211> 45
<212> DNA
<213> Artificial Sequence
<220>
<223> 91A3H-HEL insert
<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t
<220>
```

```
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (23)..(24)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t
<400> 12
gcaatgangc gccacnggan agnnaantat cggggatata gcctc
```

45